International Application No.: PCT/GB2004/004525

International Filing Date: 27 October 2004

Attorney Docket No.: LAM002 US

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in this present

application.

1. (original) A switchable electrical interconnection arrangement comprising:

a busbar of greater than 30A current capacity mounted in an electrically insulating

housing;

means for electrically connecting a feeder cable to the busbar within the housing;

at least one connecting means mounted in the housing for making electrical connection to

a respective branch cable that is receivable within the housing; and

a switching arrangement mounted within the housing for selectively making electrical

connection between the or each branch cable and the busbar, the switching arrangement

comprising a switch moveable between an ON and an OFF position whereby a cam is

rotatably driven so as to make and break electrical contact between an associated branch

cable and the busbar.

2. (original) Switchable electrical interconnection arrangement of greater than 30A

current capacity comprising:

an electrically insulating housing having a first electrical conductor secured therein and

an apertured chamber for receiving a second ("branch") electrical conductor;

wherein the chamber contains:

(a) a resiliently-biased support plate having an aperture that is alignable with the

chamber aperture for receiving the second electrical conductor;

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(b) an electrically-insulating cable holder having first and second interconnecting

channels therein for receiving said first and second electrical conductors respectively,

and being arranged to receive the support plate slidably mounted therewithin: and

(c) a switching member that is movable between ON and OFF positions in which

electrical contact is made and broken respectively between the first and second electrical

conductors;

wherein the support plate is movable by an external force from a first position, against its

resilient biasing, so as to slide within the cable holder to a stop position therewith such

that further movement causes both the support plate and the cable support to move within

the insulating housing thereby substantially to bring into alignment the apertures of the

support plate and the housing to permit introduction of the second electrical conductor

into the second channel of the cable holder within the housing;

wherein removal of the external force allows the support plate to move back to a second

position, under the action of the resilient biasing, thereby to retain the second conductor

within the second channel of the cable support; and

wherein the switching member is movable between its OFF position in which the cable

holder is retained spaced apart from the first electrical conductor, and its ON position in

which the support plate and the cable holder are moved, under the restoring force of the

resilient biasing, to a third position in which the second channel of the cable holder

encompasses the second electrical conductor, thereby effecting electrical connection

between the first and second electrical conductors.

3. (original) An arrangement according to claim 2, wherein the cable holder and the

switching member

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(a) are mounted on a common support shaft, about which the switching member is

rotatable, and

(b) interengage with one another by a cam arrangement, thereby to make and break

electrical contact between the first and second electrical conductors.

4. (original) An arrangement according to claim 3, wherein the cam arrangement

comprises a cam that is mounted externally on the switching member and that engages

within an aperture of the cable holder.

5. (currently amended) An arrangement according to claim any one of claims 2 to 4

comprising a plurality of said chambers.

6. (currently amended) An arrangement according to claim any one of claims 2 to 5,

comprising a plurality of first electrical conductors and wherein each cable holder

comprises a corresponding plurality of second channels.

7. (currently amended) An arrangement according to claim any one of claims 2 to 6,

comprising means for connecting an electrical power supply cable to the or each first

electrical conductor.

8. (currently amended) An arrangement according to claim any one of claims 2 to 7,

wherein the or each first electrical conductor comprises an elongate busbar.

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